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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VAN OVERVELD**,
Cornelius, W., A., M. [NL/NL]; c/o Prof . Holstlaan
6, NL-5656 AA Eindhoven (NL). **ERNST, Fabian, E.**
[DE/NL]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven

(NL). **REDERT, Peter-Andre** [NL/NL]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL). **RODRIGUES, Rui, P., A.** [PT/PT]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL). **WILINSKI, Piotr** [PL/NL]; c/o Prof . Holstlaan 6, NL-5656 AA Eindhoven (NL).

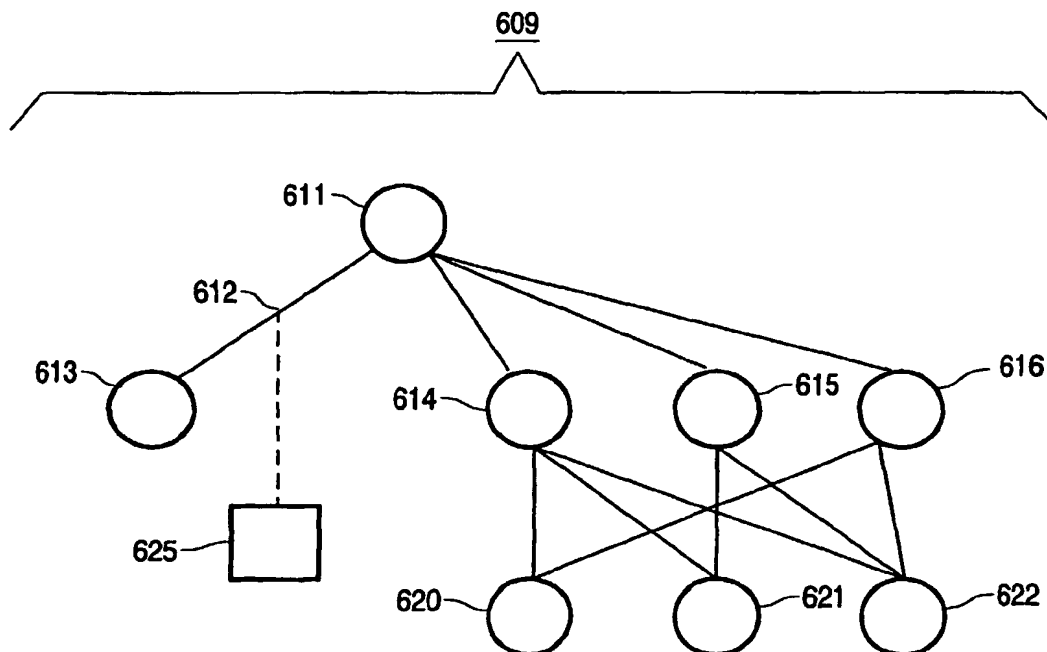
(74) Agent: **GROENENDAAL, Antonius, W., M.**; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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[Continued on next page]

(54) Title: TOPOLOGICAL IMAGE MODEL



(57) Abstract: Method of transforming a voxel representation of an N-dimensional object into a computer model containing a cellular space, which is a specific form of graph. An indicator attached to each edge of the cellular space indicates whether a border belongs to an object. This is useful for three-dimensional compression of video sequences and for Internet video sequence search.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 003 131 A (KOELMAN INTELLECTUEEL EIGENDOM) 24 May 2000 (2000-05-24) abstract; claims 1-3 column 7, line 23-31 column 8, line 56 -column 9, line 53 --- -/--	1-14



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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pierfederici, A

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>AGHBARI Z ET AL: "VST-model: a uniform topological modeling of the visual-spatio-temporal video features" MULTIMEDIA COMPUTING AND SYSTEMS, 1999. IEEE INTERNATIONAL CONFERENCE ON FLORENCE, ITALY 7-11 JUNE 1999, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 7 June 1999 (1999-06-07), pages 163-168, XP010519376 ISBN: 0-7695-0253-9 page 163, right-hand column, last paragraph -page 164, left-hand column, paragraph F</p>	1-14
A	<p>PORIKLI F M ET AL: "An unsupervised multi-resolution object extraction algorithm using video-cube" PROCEEDINGS 2001 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIIP 2001. THESSALONIKI, GREECE, OCT. 7 - 10, 2001, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY: IEEE, US, vol. 1 OF 3. CONF. 8, 7 October 2001 (2001-10-07), pages 359-362, XP010563772 ISBN: 0-7803-6725-1 the whole document</p>	3
A	<p>FELS S ET AL: "Techniques for interactive video cubism" PROCEEDINGS ACM MULTIMEDIA 2000, PROCEEDINGS OF MULTIMEDIA 2000, LOS ANGELES, CA, USA, 30 OCT.-4 NOV. 2000, pages 368-370, XP001173137 2000, New York, NY, USA, ACM, USA ISBN: 1-58113-198-4 the whole document</p>	3

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